

2. (Amended) A method according to claim 1 wherein the slip sheet is stored in a discarded slip sheet holding area.

3. (Amended) A method according to claim 1 wherein the gas directed at the plate is supplied by nozzles.

4. (Amended) A method according to claim 1 wherein the gas is air.

5. (Amended) A method according to claim 1 wherein the gas is at a pressure suitable for removing slip sheets and injecting air between slip sheets and plates.

6. (Amended) A method according to claim 1 wherein the gas is at 80 psi.

7. (Amended) A method according to claim 3 wherein the gas nozzles directing gas at the plate interface with the slip sheet comprise jet nozzles.

8. (Amended) A method according to claim 1 wherein the gas nozzles directing gas at the slip sheet comprise jet nozzles.

9. (Amended) A method according to claim 1 wherein the gas is pulsed.

10. (Amended) A method according to claim 2 wherein the slip sheet is guided to the holding area by a slip sheet chute.

11. (Amended) A method according to claim 10 wherein a top plate of the chute has an angled front edge which further guides the slip sheet into the holding area.

12. (Amended) An apparatus for separating a slip sheet from a plate comprising:

at least one gas nozzle that directs gas at the plate interface with the slip sheet to create a layer of gas between the plate and the slip sheet and directs pulses of gas at the slip sheet to blow the slip sheet into a discarded slip sheet area.

13. An apparatus according to claim 12 wherein one of the at least one gas nozzles is a fan nozzle.

14. An apparatus according to claim 12 wherein one of the at least one gas nozzles is a jet nozzle.

15. (Amended) An apparatus for separating slip sheets from plates comprising:

a cart comprising a plate handler area to hold at least one stack of plates interleaved with slip sheets and a discarded slip sheet holding bin;

a movable head comprising at least one vacuum cup to acquire plates one at a time from the cart;

and at least one gas nozzle to create a layer of gas between the plates and the slip sheets and to deliver pulses of gas to blow the slip sheets into the holding bin.

16. An apparatus according to claim 15 wherein the plate handler area holds two stacks of plates interleaved with slip sheets.

17. (Amended) An apparatus according to claim 15 wherein front end corners of the plate handler area are squared to define an area for the plates to rest.

18. (Amended) An apparatus according to claim 17 where the front end corners are squared and then taper outward to allow the slip sheets to pass through more easily.

19. (Amended) An apparatus according to claim 15 wherein the plate handler area is separated from the discarded slip sheet holding bin by a plate which acts as a base of the handler area and a top of the holding bin.

20. (Amended) An apparatus according to claim 15 wherein a bottom front end of the cart is slanted at an outward angle to prevent discarded slip sheets from piling up at the front of the cart.

21. An apparatus according to claim 15 wherein the back of the cart is removable to allow removal of discarded slip sheets.

22. An apparatus according to claim 15 wherein the head comprises a plurality of gas nozzles.

23. An apparatus according to claim 22 wherein at least one of the gas nozzles is a fan nozzle.

24. An apparatus according to claim 22 wherein at least one of the gas nozzles is a jet nozzle.

25. An apparatus according to claim 15 wherein the head comprises a chute.

26. (Amended) An apparatus for separating slip sheets from plates comprising:

a cart comprising a plate handler area to hold at least one stack of plates interleaved with slip sheets and a discarded slip sheet holding bin;

a movable head comprising at least one vacuum cup to acquire plates one at a time from the cart;

and at least one gas nozzle to create a layer of gas between the plates and the slip sheets and to blow the slip sheets into the holding bin wherein the head comprises a chute and a top of the chute comprises a baffle.

27. An apparatus according to claim 26 wherein the baffle has an angled front edge which further guides the slip sheet into the holding area.

28. (Amended) An apparatus for separating slip sheets from plates comprising:
means for handling plates,
means for holding discarded slip sheets,
and means using pulses of gas for directing slip sheets from a handling area to the means
for holding.

29. An apparatus according to claim 28 wherein plates are handled in an area defined by two side
panels and a bottom plate.

30. An apparatus according to claim 29 wherein front end corners of the area are squared.

31. An apparatus according to claim 29 wherein front end corners of the area are squared and
then taper off in order for the slip sheets to more easily pass through.

32. An apparatus according to claim 28 wherein the means for handling plates and the means
for holding discarded slip sheets are contained in a cart.

33. An apparatus according to claim 28 wherein the means for directing a slip sheet from the
handling area to the holding area comprise a chute.

34. An apparatus according to claim 33 wherein the chute comprises a bottom plate, a top plate
and two side panels.

35. An apparatus according to claim 34 wherein a front edge of the top plate is slanted
downward to direct slip sheets into the means for holding and to prevent them from being caught on the
means for handling plates.